

ABSTRACT

An internal combustion engine controller for automobiles which realizes torque increasing performance and exhaust gas purifying performance in a well-balanced manner even when a high-response torque increase is demanded in uniform charge stoichiometric combustion which is operated at a value close to the theoretical air-fuel ratio in torque base type engine control.

The internal combustion engine controller comprises target torque computation means for computing the target torque based on the demand torque of the internal combustion engine such as the operation quantity of an accelerator, means of computing the target throttle angle based on the target torque, and torque assist control means for assisting torque based on the state of the target torque and the operation state of the internal combustion engine. The above torque assist control means carries out torque assist control by increasing the quantity of fuel when a torque increase is demanded.